TEST REPORT OF AGGEGRATE STRIPPING VALUE OF ROAD AGGRGATE (IS:6241)

Lab ID	:	**CP-RW-2017-09-16-01** **Date: 19-09-17**
Customer	:	Asisstant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T.Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to MEI layout 4th A Cross, 4th and 5th main 6th main and other cross roads at Bagalagunte in ward No.14
Agency	:	Technical Manager (West), KRIDL, Project Implementation Unit, No.280, 59th Cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar,
Customer Reference	:	BBMP/EE/DD/WO/038/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	16-09-17
Sample ID No	:	2017-09-16-01/01
Type of Mix	:	BC(Bitumenous Concrete)
Date of test	:	16-09-17

Type of Binder	:	60/70
% of Binder Used	:	5.0%
Weight of Aggregate	:	200.0 gm
Weight of Binder	:	10.0 gm
Temperature of water bath	:	40°C

No of test	Retained Stripping Percentage	Stripping Percentage	Average Retained Stripping Percentage	Secified limits as per MORTH specification table 500-8
1	98.5	1.5	98.7	Minimum Retained Coating 95%
2	99.0	1.0		
3	98.5	1.5		

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
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Samples will be disposed after 30 days from the date of issue of test certificate

Prepared by
Harshitha

CIVIL PRO Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

TESTS RESULTS ON STABILITY OF MIX

Lab ID	:	**CP-RW-2017-09-16-01** **Date: 19-09-17**
Customer	:	Asisstant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T.Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to MEI layout 4th A Cross, 4th and 5th main 6th main and other cross roads at Bagalagunte in ward No.14
Agency	:	Technical Manager (West), KRIDL, Project Implementation Unit, No.280, 59th Cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar,
Customer Reference	:	BBMP/EE/DD/WO/038/2017-18
Source of Sample	:	Hot Mix Plant, Bangalore
Sample Condition	:	Satisfactory
Date of Receipt	:	16-09-17
Sample ID No	:	2017-09-16-01/01
Type of Mix	:	BC (Bituminous Concrete)
Date of test	:	16-09-17

The results of the tests conducted on the Bituminous Concrete mix sample are as follow

Sl.No	Particulars of observations	TEST 1	TEST 2	Secified limits as per MORTH specification table 500-11
1	Marshal Stability at 60°C, KN	11.21	11.14	10KN(min)
2	Marshal flow at 60°C, mm	3.59	3.51	2-4
3	Percent air Voids	4.77	4.89	3-5
4	Percent Voids in mineral Aggregate(VMA %)	14.12	14.23	13-15
5	Percent Voids filled with Bitumen(VFB %)	70.71	71.42	65-75
6	Density, g/cc	2.26	2.25	–

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Prepared By:
Harshitha

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Date.....

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Quality Manager

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End of Report

TEST RESULTS OF GRADATION FOR BC
IS 2386 (Part 1) 1963 (RA 2011)

Lab ID	:	**CP-RW-2017-09-20-01**	**Date: 21-09-17**
Customer	:	Asisstant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.	
Address	:	T.Dasarahalli Sub Division, BBMP, Bangalore.	
Project Name	:	Improvements to MEI layout 4th A Cross, 4th and 5th main 6th main and other cross roads at Bagalagunte in ward No.14	
Agency	:	Technical Manager (West), KRIDL, Project Implementation Unit, No.280, 59th Cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar, Bangalore-10.	
Customer Reference	:	BBMP/EE/DD/WO/038/2017-18	
Source of Sample	:	Sample supplied by Agency	
Date of Receipt	:	20-09-17	
Sample ID No	:	2017-09-20-01/01	
Type of Mix	:	BC (Bituminous Concrete)	
Date of test	:	20-09-17	

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	501	501
2	Weight of the sample After extraction	B	470	469
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	6.19	6.39
4	Average percentage	%	6.3	

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ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

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Quality Manager

Lab ID : CP-RW-2017-09-20-01 **Date: 21-09-17**

Sample ID : 2017-09-20-01/01

AFTER EXTRACTION - Trail-1

Total Weight of the Sample(gm) : 479

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	2	2	0.4	99.6	90-100
9.5	64	66	13.8	86.2	70-88
4.75	134	200	41.8	58.2	53-71
2.36	69	269	56.2	43.8	42-58
1.18	28	297	62.0	38.0	34-48
0.6	47	344	71.8	28.2	26-38
0.3	34	378	78.9	21.1	18-28
0.15	42	420	87.7	12.3	12-20
0.075	16	436	91.0	9.0	4-10

AFTER EXTRACTION - Trail-2

Total Weight of the Sample(gm) : 477

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	0	0	0.0	100.0	90-100
9.5	68	68	14.3	85.7	70-88
4.75	139	207	43.4	56.6	53-71
2.36	62	269	56.4	43.6	42-58
1.18	33	302	63.3	36.7	34-48
0.6	42	344	72.1	27.9	26-38
0.3	31	375	78.6	21.4	18-28
0.15	37	412	86.4	13.6	12-20
0.075	28	440	92.2	7.8	4-10

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ಬೆಂಗಳೂರು

CIVIL PRO BANGALORE Sig..... Date.....

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